

# MATERIAL SAFETY DATA SHEET

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## SECTION I—PRODUCT IDENTIFICATION

PRODUCT FORMULA: 3-1X-7  
 PRODUCT NAME: URAFILM TFE GRAY  
 PRODUCT CHEMICAL FAMILY: POLYTETRAFLUORIDE ETHYLENE

## SECTION II—HAZARDOUS INGREDIENTS

INGREDIENTS	CAS NUMBER	EXPOSURE LIMITS IN AIR		IARC, NTP OSHA HAZARD EVALUATION
		OSHA PEL	ACGIH TLV	
POLYTETRAFLUORIDE ETHYLENE	9002-84-0	15mg/m <sup>3</sup>	10mg/m <sup>3</sup>	NON-CARCINOGENIC
EPOXY	25068-38-6	5 ppm	2 ppm	EPICHLORMYDRIN-CARCINOGEN, IARC V.11 Page 131
AZELAIC ACID	123-99-9	Not Est.	Not Est.	NON-CARCINOGENIC
TITANIUM DIOXIDE	1314-13-2	15mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	NON-CARCINOGENIC
BARYTES	7727-47-7	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	NON-CARCINOGENIC
LUMINA	1344-28-7	5 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	NON-CARCINOGENIC
ETHYL 3-ETHOXY PROPIONATE	763-69-0	Not Est.	Not Est.	NON-CARCINOGENIC IRRITANT; MILDLY TOXIC
METHYL NORMAL AMYL KETONE	110-43-0	100 ppm	100 ppm	NON-CARCINOGENIC NARCOTIC
METHYL ETHYL KETONE	78-93-3	200 ppm	200 ppm	NON-CARCINOGENIC NARCOTIC
CARBON BLACK	1333-86-4	3.5 mg/m <sup>3</sup>	3.5 mg/m <sup>3</sup>	NON-CARCINOGENIC
YELLOW IRON OXIDE	12259-21-1	10mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	NON-CARCINOGENIC

## SECTION III—PHYSICAL DATA

BOILING POINT: 175°F	SPECIFIC GRAVITY: 1.21
VAPOR DENSITY (AIR = 1): HEAVIER	% VOLATILE BY VOLUME: 56%
SOLUBILITY IN WATER: NEGLIGIBLE	EVAPORATION RATE: SLOWER
VAPOR PRESSURE: @20°C 70 mm.Hg.	(BUTYL ACETATE = 1)

## SECTION IV—FIRE AND EXPLOSIVE HAZARD DATA

FLASH POINT: 20 °F. TCC LEL: 1.05 % by Volume UEL: 10.0 % By Volume

EXTINGUISHING MEDIA: Foam, Dry Chemical, CO<sub>2</sub> and/or Water Fog

### UNUSUAL FIRE AND EXPLOSION HAZARDS:

During a fire, irritating and toxic gases and smoke are present from decomposition. Isolate from heat, sparks and open flames. Closed containers may burst when exposed to extreme heat. Vapors form an explosive mixture in air between the upper and lower explosive limits.

Self-contained breathing apparatus should be worn by firefighters.